

FORM PTO-1449

Atty Docket: BVL-102A

Serial No.: Rule 1.53 divisional of  
09/269,763INFORMATION DISCLOSURE  
CITATION  
(modified)

Applicant: van Lengerich

Filing Date: Concurrently herewith

Prior Group: 1732

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub-Class	Filing Date
J	4,106,991	August 1978	Markussen et al.	—	—	
J	4,242,219	December 1980	Bogerman et al.	1	1	
J	4,689,235	August 1987	Barnes et al.	1	1	
J	5,087,461	February 1992	Levine et al.	1	1	
J	5,183,690	February 1993	Carr et al.	1	1	
J	5,514,387	May 1996	Zimmerman et al.	1	1	
J	5,820,903	October 1998	Fleury et al.	—	—	

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Sub-Class	Translation Yes   No
J	15,312	March 23, 1911	Great Britain	—	—	
J	WO 92/00140	Jan. 9, 1992	WIPO	1	1	
J	WO 92/12645	Aug. 6, 1992	WIPO	1	1	
J	WO 94/23593	Oct. 27, 1994	WIPO	1	1	
J	WO 95/00121	Jan. 5, 1995	WIPO	—	—	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

J	Per Artusson et al., "Characterization of Polyacryl Starch Microparticles as Carriers for Proteins and Drugs," <i>Journal of Pharmaceutical Science</i> , Vol. 73, No. 11, pps. 1507-1513 (Nov. 1984)
J	Lennart Randen et al., "Coprecipitation of Enzymes with Water Soluble Starch -- An Alternative to Freeze-drying," <i>J. Pharm. Pharmacol.</i> , Vol. 40, pps. 763-766 (1988)
J	Shigeaki Maruo et al., "Effects of Moranoline, 4-O- $\alpha$ -D-Glucopyranosylmoranoline and Their N-Substituted Derivatives on Thermostability of Cyclodextrin Glycosyltransferase, Glucoamylase, and $\beta$ -Amylase," <i>Biosci. Biotech. Biochem.</i> , Vol. 57, No. 8, pps. 1294-1298, (1993)
J	Wendell Q. Sun et al., "Protein stability in the amorphous carbohydrate matrix: relevance to anhydrobiosis," <i>Biochimica et Biophysica Acta</i> , Vol. 1425, pps. 245-254 (1998)

Examiner:

Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.

<b>FORM PTO-1449</b>  <b>INFORMATION DISCLOSURE</b> <b>CITATION</b> (modified)		Atty Docket: BVL-102A		Serial No.: Rule 1.53 divisional of 09/269,763	
		Applicant: van Lengerich			
		Filing Date: Concurrently herewith		Prior Group: 1732	

U.S. PATENT DOCUMENTS							
Examiner Initial	Document Number	Date	Name	Class	Sub-Class	Filing Date	
g	5,952,033	September 1999	Anantharaman et al.	—	—		
	5,972,404	October 1999	van Lengerich				
	5,972,415	October 1999	Brassart et al.				
	6,004,594	December 1999	van Lengerich				
	5,079,012	January 1992	Lengerich et al.				
	3,962,416	June 1976	Katzen				
	3,786,123	January 1974	Katzen				
	5,466,460	November 1995	McMahon et al.				
	4,999,208	March 1991	Lengerich et al.				
g	5,071,668	December 1991	van Lengerich et al.	—	—		

FOREIGN PATENT DOCUMENTS							
Examiner Initial	Document Number	Date	Country	Class	Sub-Class	Translation Yes No	
g	WO 95/18544	July 13, 1995	WIPO	—	—		
	WO 97/16076	May 9, 1997	WIPO				
	WO 97/39116	Oct. 23, 1997	WIPO				
	WO 98/18610	May 7, 1998	WIPO				
g	WO 98/54980	Dec. 10, 1998	WIPO	—	—		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)	
g	Colonna et al., "Extrusion Cooking of Starch & Starchy Products," <i>Extrusion Cooking</i> , C. Mercier, et al. AACC, St. Paul, MN (1989), pps. 247-319
g	Meuser et al., "A Systems Analytical Approach To Extrusion," <i>Food Extrusion Science &amp; Technology</i> , ed. J. Kokini, Dekker Publ. (1992), pps. 619-630

Examiner:	Date Considered: 2/03
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		Applicant: van Lengerich			
		Filing Date: Concurrently herewith		Prior Group: 1732	

U.S. PATENT DOCUMENTS							
Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date
J		5,075,058	December 1991	Chan et al.	—	—	
		3,404,984	October 1968	Olsen	1	1	
		4,888,171	December 1989	Okonogi et al.	1	1	
		3,027,102	March 1962	Lödige et al.	—	—	

FOREIGN PATENT DOCUMENTS								
Examiner Initial		Document Number	Date	Country	Class	Sub-Class	Translation Yes   No	
J		EP 0 465 364 A1	Jan. 8, 1992	EPO	—	—		
		EP 0 462 012 A2	Dec. 18, 1991	EPO	1	1		
		WO 92/00130	Jan. 9, 1992	WIPO	1	1	Abst	
		WO 95/26752	Oct. 12, 1995	WIPO	1	1	Abst	
		WO 85/04074	Sept. 26, 1985	WIPO	—	—		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)		

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Date Considered:

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## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Sub- Class	Filing Date
J	5,009,900	April 1991	Levine et al.	✓	✓	10/21/91 U.S. PTO 09/782320

## FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Sub- Class	Translation Yes   No

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, etc.)

J	Brochure entitled "Innovate With Raftiline®," Orafit Active Food Ingredients, November 1996
J	"Inulin-A 'Good-for-you' Fat Replacer, Texture Modifier," Food Formulating, p. 15, February 1997
J	Brighenti, F., et al., "One Month Consumption of Ready-to-eat Breakfast Cereal Containing Inulin Markedly Lowers Serum Lipids in Normolipidemic Men," from: Proceedings of 7 <sup>th</sup> FENS European Nutrition Conference, 1995
J	Silva, R., "Use of Inulin as a Natural Texture Modifier," <i>Cereal Foods World</i> , October 1996, vol. 41, no. 10, pps. 792-794

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Form PTO-1449  
(Rev. 8-83)U.S. Department of Commerce  
Patent and Trademark OfficeAttorney Docket No.  
BVL-102A

Serial No. 09/782,320

## INFORMATION DISCLOSURE STATEMENT

(Use several sheets if necessary)

Applicant: van Lengerich

Filing Date:  
February 13, 2001

Group:

## U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
KG	2,876,160	03/03/59	Schoch et al.	167	82	
	3,868,471	02/25/75	Decelles et al.	426	303	
	3,922,354	11/25/75	Galluzzi et al.	426	96	
	4,178,392	12/11/79	Gobble et al.	426	96	
	4,532,145	07/30/85	Saleeb et al.	426	650	
KO	6,190,591	02/20/01	van Lengerich	264	141	

## FOREIGN PATENT DOCUMENTS

	Document Number	Date	Country	Class	Subclass	Translation	
						Yes	No
KG	91 03940	04/04/91	WO			✓	
	96 09773	04/04/96	WO			✓	
	40 21 678	01/09/92	DE				X
KO	96 14058	05/17/96	WO			✓	

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

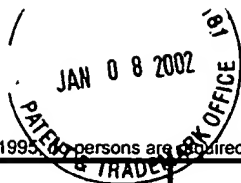

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Date Considered

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<b>Substitute for form 1449A/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	09/782,320
				Filing Date	February 13, 2001
				First Named Inventor	van Lengerich
				Group Art Unit	1732
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	BVL-102A

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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code <sup>2</sup> (if known)			
KG		3,992,555		Kovacs	11/16/1976	
		5,458,823		Perkins et al.	10/17/1995	
		5,597,416		Fuisz et al.	01/28/1997	
		5,683,720		Myers et al.	11/04/1997	
		5,744,180		Cherukuri et al.	04/28/1998	
		5,851,553		Myers et al.	12/22/1998	
		5,862,998		Bogue et al.	10/26/1999	
		5,972,373		Yajima et al.	01/26/1999	
		5,976,603		Kota et al.	11/02/1999	
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FOREIGN PATENT DOCUMENTS							
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Office <sup>3</sup>	Number	Kind Code <sup>5</sup> (if known)			

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Substitute for form 1449A/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	09/782,320
				Filing Date	02/13/2001
				First Named Inventor	van Lengerich
				Group Art Unit	1732
				Examiner Name	not yet assigned
Sheet	1	of	3	Attorney Docket Number	BVL-102A

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U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code <sup>2</sup>	Kind (if known)			
LG		4,379,171		Furda et al.	04-05-1983	
		4,871,574		Yamazaki et al.	10-03-1989	
		4,886,820		Gross et al.	12-12-1989	
		5,118,513		Mehansho et al.	06-02-1992	
		5,431,929		Yatka et al.	06-11-1995	
		5,939,127		Abboud	08-17-1999	
		5,958,502		Fulger et al.	09-28-1999	
		6,024,994		Jacobson et al.	02-15-2000	
		6,149,965		van Lengerich et al.	11-21-2000	
		6,342,257	B1	Jacobson et al.	01-29-2002	
		5,023,083	A	Drell	06-11-1991	abstract
		6,008,027	A	Langner	12-28-1999	abstract
LG		6,048,551	A	Amidon et al.	04-11-2000	abstract
		5,750,104	A	Sipos	05-12-1998	abstract
		4,816,259	A	Matthews et al.	03-28-1989	abstract

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		Office <sup>3</sup>	Number	Kind Code <sup>5</sup> (if known)			
LG		WO	99/34688		General Mills, Inc.	07-15-1999	
		WO	00/21504		General Mills, Inc.	04-20-2000	
		WO	99/23896		Societe Des Produits Nestle S.A.	05-20-1999	
LG		WO	99/48372		General Mills, Inc.	09-30-1999	

Examiner Signature	<i>Kate M. A.</i>	Date Considered	5-13-02
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# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 3

## Complete if Known

Application Number 09/782,320  
Filing Date 02/13/2001  
First Named Inventor van Lengerich  
Group Art Unit 1732  
Examiner Name not yet assigned  
Attorney Docket Number BVL-102A

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code <sup>2</sup>	Kind (if known)			
K6		5,902,617	A	Pabst	05-11-1999	abstract

## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number	Kind Code <sup>5</sup> (if known)				
K6		EP	605913	A	Oklahoma Med. Res. Found.	07-13-1994	abstract	
		EP	603992	A1	University Cincinnati.	06-29-1994	abstract	
		JP	6024962	A	Green Cross Corp.	02-01-1994	abstract	
		EP	552057	A	UR Labs Inc.	07-21-1993	abstract	
		EP	391518	A	Kinaform Technology Inc.	10-10-1990	abstract	
		JP	47014316	A	Morishita Seiyaku Co. Ltd.	1972	abstract	
		JP	1313421	A	Aliment Kogyo KK	12-18-1989	abstract	
		WO	88/01512	A	Enzacor Properties	03-10-1988	abstract	
		WO	00/64436	A1	CG & Assoc.	11-02-2000	abstract	
		WO	99/61002	A1	Bristol-Myers Squibb Co.	12-02-1999	abstract	
		WO	99/20745	A1	IL Yang Pharm. Co. Ltd.	04-29-1999		
		EP	33662	A	Clinical Techn Assn.	10-11-1969	abstract	
		WO	98/50019	A	Sage Pharm. Inc.	11-12-1998	abstract	
		WO	99/11242	A1	Biozone Lab Inc.	03-11-1999	abstract	
		WO	00/41740	A2	Dehlinger et al.	07-20-2000	abstract	
		JP	59139317	A	Teisan Seiyaku KK	08-10-1984	abstract	
		JP	2000139372	A	San Ken KK	05-23-2000	abstract	
K6		WO	99/45904	A1	Allerganics Inc.	09-16-1999	abstract	

Examiner Signature

*K. M. C.*

Date

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### Complete if Known

Application Number	09/410,017
Filing Date	10/01/1999
First Named Inventor	van Lengerich
Group Art Unit	1761
Examiner Name	E. Webman
Attorney Docket Number	BVL-107

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet 3 of 3

### U.S. PATENT DOCUMENTS

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KG		WO	98/58642	A	Whitmire	12-30-1998	abstract	
		WO	98/35704	A	Bone Care Int. Inc.	08-20-1998	abstract	
		WO	98/09981	A	Wisconsin Alumni Research Foundation	03-12-1998	abstract	
		WO	98/02148	A	Evans et al.	01-22-1998	abstract	
KG		WO	97/38016	A	Eastman Chemical Co.	10-16-1997	abstract	

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Signature

*E. Webman*

Date  
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Sheet	1	of	2
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**Complete if Known**

Application Number	09/782,320
Filing Date	02/13/2001
First Named Inventor	van Lengerich
Group Art Unit	1732
Examiner Name	not yet assigned
Attorney Docket Number	BVL-102A

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Substitute for form 1449B/PTO  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  <i>(use as many sheets as necessary)</i>				<b>Complete if Known</b>	
				Application Number	09/782,320
				Filing Date	02/13/2001
				First Named Inventor	van Lengerich
				Group Art Unit	1732
				Examiner Name	not yet assigned
				Attorney Docket Number	BVL-102A
Sheet	2	of	2		

[illegible]

Examiner Signature		Date Considered	2/03
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<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language translation is attached.

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

### Complete if Known

Application Number	09/782,320
Filing Date	02/13/2001
First Named Inventor	van Lengerich
Group Art Unit	1616
Examiner Name	K. George
Attorney Docket Number	BVL-102A

### U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Code <sup>2</sup>	Kind (if known)			
		4,895,725		Kantor et al.	01-23-1990	
		5,567,730		Miyashita et al.	10-22-1996	
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### FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Office <sup>3</sup>	Number	Kind Code <sup>5</sup> (if known)				
J		WO	99/56563		Abbott Labs.	11-11-1999		
J		EP	1 064 856	A2	Givaudan SA	01-03-2001		
J		EP	1,066 761	A2	Hoffmann-LaRoche AG	01-10-2001		

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### Complete if Known

Application Number	09/782,320
Filing Date	02/13/2001
First Named Inventor	van Lengerich
Group Art Unit	1616
Examiner Name	George, K.
Attorney Docket Number	BVL-102A

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		Number Code <sup>2</sup>	Kind (if known)			
J		5,296,000		Darmont et al.	03-22-1994	
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		Office <sup>3</sup>	Number	Kind	Code <sup>5</sup> (if known)				

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